

## 2009 WHIP Filter Strip (393) Requirements

**Eligible lands:** Private agricultural land, private nonindustrial forestland, and tribal lands with pasture, crop, and other agricultural land adjacent to water bodies which will benefit by filter strip implementation by decreasing levels of agricultural non-point source pollutants entering water bodies by runoff.

### WHIP Filter Strip Practice Requirements:

1. **Soil test required for all permanent herbaceous plants.** (University of Tennessee or any certified NAPT Lab). Areas of contrasting soils, problem spots or portions of fields significantly different should be sampled separately, provided the area can be fertilized separately. Examples: bottomland and upland. See University of Tennessee publication PB 1061 ([UT PB1061](#)) for soil sampling information. **For NWSG, if pH is 5.0 or higher** apply no lime; if lower apply 2 tons per acre, no nitrogen at planting, apply P2O5 and K2O as recommended in soil sample all other requirements must be met. No harvest of NWSG until the third growing season.
2. **Lime and fertilizer are not required for trees, shrubs, or temporary cover. For permanent herbaceous cover, apply lime and fertilizer** as required by soil test (University of Tennessee soil test recommendation).
3. **Seeded areas shall not be grazed** by domestic livestock for the life of the agreement.
4. Native warm season grass stands **may be harvested once per year** beginning with the third growing season, and may only be harvested between July 1 and August 15.
5. Filter strips shall be a minimum of 20 ft and a maximum of 120 ft in width.
6. **Natural Regeneration is acceptable on soils with 0-2 percent slopes.** Natural regeneration is acceptable on C slopes (slopes of 5-12 percent) if sufficient ground cover is present to minimize soil erosion and other off-site impacts.
7. **Herbicides are to be used in accordance with the label** for tame grass and weed eradication or when the no-till planting method is used.
8. **For additional requirements, see FOTG practice code 393.**

Seeding recommendations are given in the table below:

Temporary Cover - Winter		
Species	Amt/ac	Seeding Dates
Crimson Clover (lbs)	20.0	Aug 1 – Oct 1
Winter Wheat	1.5 – 2 bu	Sept 1 – Oct 20
Cereal Rye	1.5 – 2 bu	Sept 1 – Oct 20
Wheat & Crimson Clover	1 bu; 10 lbs	Sept 1 – Oct 20
Rye & Crimson Clover	1 bu; 10 lbs	Sept 1 – Oct 20
Temporary Cover - Summer		
Species	Amt/ac	Seeding Dates
Millet, White Proso (lb)	20.0	May 1 – July 1
Millet, Foxtail (lb)	20.0	May 1 – July 1
Buckwheat (lbs)	30.0	May 1 – Aug 1
Corn (w/Eastern Gamagrass only)*	12,000-16,000 plants/ac = 1/7 bu	June 1
Natural Regeneration with Interseeding		
Species	Amt/ac	Seeding Dates
Kobe/Korean Lespedeza (lb)	15.0	Apr 15 – June 15
Eastern Gamagrass (lbs)*	10.0	Dec 1 – July 1
Warm Season Native Mix** – Tall Mix for Deer/Turkey		
Species	Amt/ac	Seeding Dates
Big Bluestem (lb)	1.0	Dec 1 – July 1
Indiangrass (lb)	1.0	
Little Bluestem (lb)	1.0	
Sideoats Grama (lb)	1.0	
and either:	1.0	
Kobe/Korean Lespedeza (lb) <u>or</u> a single or mix of:		
1) Illinois Bundleflower (lb)	5.0	
2) Partridge Pea (lb)	1.0	

Warm Season Grass Mix** – Short Grass Mix for Quail/Rabbit		
Species	Amt/ac	Seeding Dates
Little Bluestem	3.0	Dec 1 – July 1
Indiangrass	0.5	
Sideoats Grama	1.0	
Kobe/Korean Lespedeza	5.0	
Or		
Single or Mix of:	1.0	
1) Illinois Bundleflower		
2) Partridge Pea		
Broadcast Planting Mixture**		
Species	Amt/ac	Seeding Dates
Switchgrass	8.0	Apr 1 – July 1
Kobe/Korean Lespedeza	5.0	
Cool Season Legume Mix		
Species	Amt/ac	Seeding Dates
Ladino Clover	4.0	Feb 20 – Apr 1
Red Clover	5.0	Aug 15 – Oct 1
Winter Wheat (temporary cover)	25.0	Aug 15 – Oct 1
Shrub/Food Tree Establishment		
Species	Amt/ac	Seeding Dates
Spicebush	680 plants (8'x8' spacing)	Nov 1 – Apr 1
Indigobush	680 plants (8'x8' spacing)	Nov 1 – Apr 1
Wild Plum	680 plants (8'x8' spacing)	Nov 1 – Apr 1
Chickasaw Plum	680 plants (8'x8' spacing)	Nov 1 – Apr 1
Washington Hawthorne	680 plants (8'x8' spacing)	Nov 1 – Apr 1
American Beautyberry	680 plants (8'x8' spacing)	Nov 1 – Apr 1
Flowering Dogwood	302 plants 12'x12' spacing)	Nov 1 – Apr 1
Crabapple	302 plants 12'x12' spacing)	Nov 1 – Apr 1
Sawtooth Oak	302 plants 12'x12' spacing)	Nov 1 – Apr 1
Persimmon	302 plants 12'x12' spacing)	Nov 1 – Apr 1

- For temporary cover (corn) with eastern gamagrass, plant corn at a 45 degree angle to the eastern gamagrass rows. Corn should be no-tilled. Plant 10 lbs eastern gamagrass about April 1. Apply atrazine (following label) for corn. Plant early maturing corn about June 1 at a rate of 12,000 – 16,000 plants per acre (1/7 bu/ac). Harvest corn as early as possible.

\*\* NWSG seeding rates refer to Pure Live Seed, PLS.

